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PATENT
Docket No.: 201487/1060

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Takahashi et al.

Serial No. : 09/762,867

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For : METHOD FOR ISOLATING SATELLITE
SEQUENCES

Examiner:
Unknown

Art Unit:
Unknown

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

Commissioner for Patents
Washington, D.C. 20231
Box:

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form.

Reference 1, at section II, describes how to isolate a microsatellite sequence from a particular region of a gene. If the sequence is contained in a YAC clone, the insert sequence in the clone is initially subcloned into cosmids. The cosmid library constructed is subjected to hybridization using a (CA)_n-oligonucleotide as a probe to isolate a cosmid containing CA repeats. The cosmid is digested with a restriction enzyme, such as Sau3AI, subcloned into plasmids, and screened again with (CA)_n-oligonucleotide to isolate a clone containing the CA-repeats. The nucleotide sequence of the insert DNA of this clone is determined to generate an appropriate primer pair between which the CA-repeat sequence is located. About six healthy subjects are examined to confirm the presence of polymorphism in the repeats.

Reference 3, at section 2.4, explains how to modify the 5' and/or 3' ends of DNA fragments cleaved with restriction enzymes or cDNA synthesized using reverse transcriptase. Enzymes used for this modification include DNA polymerases having 3'→5' exonuclease

activity, TdTase, exonucleases, and endonucleases, such as DNaseI and single-strand specific endonucleases. A complete translation of section 5.4.2 is attached to Reference 3.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

Respectfully submitted,

Date: December 12, 2001

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.	
<u>Dec. 12, 2001</u> Date	<u>Ruth R. Smith</u> Ruth R. Smith